

5164544



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D135-1027-151
Job Sheet 190576

**Part No:** D135-1027-151**Job Qty:** 1 pcs**Part Name:** Std Height Fwd Crosstube**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 2/11/19**Job Tracking No:****Due Date:** 3/29/19**Created By:** Jesse White**Type:** Stock**Description:** SIOP

Note: D135-1027-151 REV.D IPP REV:A 17.01.24 NEW ISSUE DD VERF:JLM IPP REV:B 17.12.14 AS PER DWG
REV.C DD VERF:JFS IPP REV:C 18.11.09 AS PER DWG REV.D DD VERF:JFS

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Handfinish - 1 - Chemical	1 pcs	3/29/19		0.00	0.00	Handfinish - 1 - 1	
							Handfinish - 1 - 2	
							Handfinish - 1 - 3	
							Handfinish - 1 - 4	
							Handfinish - 1 - 5	
							Handfinish - 1 - 6	
							Handfinish - 1 - 7	
							Handfinish - 1 - 8	
							Handfinish - 1 - 9	
							Handfinish - 1 - 10	
							Handfinish - 1 - 11	
							Handfinish - 1 - 12	
							Handfinish - 1 - 13	
							Handfinish - 1 - 14	
							Handfinish - 1 - 15	
							Handfinish - 1 - 16	
							Handfinish - 1 - 17	
							Handfinish - 1 - 18	
							Handfinish - 1 - 19	
							Handfinish - 1 - 20	
							Handfinish - 1 - 21	
							Handfinish - 1 - 22	
105	QC 7	1 pcs	3/29/19		0.00	0.00	QC 7 - 10	
							QC 7 - 13	
							QC 7 - 14	
							QC 7 - 15	
							QC 7 - 17	
							QC 7 - 18	
							QC 7 - 19	
							QC 7 - 2	

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DART
AEROSPACE
Container No: S164544

Part: D135 - 1027 - 151
Job No: 190576
Serial No/Batch: S164544
Revision: D
Inspector:
Exp Date:
Instructions:
Date: 03/21/19

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐																															
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					QC 7 - 28	
					QC 7 - 3	
					QC 7 - 30	
					QC 7 - 34	
					QC 7 - 36	
					QC 7 - 37	
					QC 7 - 41	
					QC 7 - 47	
					QC 7 - 48	
					QC 7 - 51	
					QC 7 - 58	
					QC 7 - 59	
					QC 7 - 6	
					QC 7 - 60	
					QC 7 - 9	
					QC 7 - 68	
					QC 7 - 50	
					QC 7 - 67	
110	Purchasing	1 pcs	3/29/19	0.00 0.00	Purchasing - 1	03/21/2019 PL
					Purchasing - 2	
					Purchasing - 3	
120	Packaging 2-1 - Receive - B4B	1 pcs	3/29/19	0.00 0.00	Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
130	QC 6	1 pcs	3/29/19	0.00 0.00	QC 6 - 42	
					QC 6 - 9	PD 19-03-25

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

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Route update only ☐

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		Other/Details:																																	

					QC 6 - 68	
					QC 6 - 61	
133	Crosstubes - 2 - B4B	1 pcs	3/29/19	0.00 1.00	Crosstubes - 1 - B4B	
					Crosstubes - 2 - B4B	GP 19-06-25
					Crosstubes - 3 - B4B	
135	QC 5	1 pcs	3/29/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 42	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	JUN 25 2019 68
					QC 5 - 9	9-89
					QC 5 - 50	
					QC 5 - 30	
136	Crosstubes - 3 - B4B	1 pcs	3/29/19	0.00 1.00	Crosstubes - 1 - B4B	
					Crosstubes - 2 - B4B	
					Crosstubes - 3 - B4B	GP 19-06-25
138	QC 15	1 pcs	3/29/19	0.00 0.00	QC 15 - 12	
					QC 15 - 3	
					QC 15 - 47	
					QC 15 - 49	
					QC 15 - 58	
					QC 15 - 9	
140	Outsource - 2 - NDT per QSI038	1 pcs	3/29/19		SKY002-VC	5
						JUN 20 2019
150	Packaging 2-2 - Receive - B4B	1 pcs	3/29/19	0.00 0.00	Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
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					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	

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Other/Details:					

				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
160	QC 6	1 pcs	3/29/19	0.00 0.00	QC 6 - 42
					QC 6 - 9
					QC 6 - 68
					QC 6 - 61
170	Packaging 3-1 - Stock - B4B	1 pcs	3/29/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
180	QC 21 - FG	1 pcs	3/29/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - FG - 53

DAS
40
9-89

JUL 19 2019

A2 19-7-19

DAS
21
9-89

JUL 22 2019

Part Op 100 - Alodine prior to sending the extrusion to an outside vendor.
 Descriptions: 105 - QC7-Inspect Chemical Conversion Coat

110 - Purchasing - Issue P/O to Tube Caron: 042567 Manufacture D135-1027-151 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6025-120** ***AS PER DWG NOTE 10, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required
 120 - Receive & Inspect for Damage & Mat'l Certs - Ensure material release note is attached

Entered: _____ Date: _____



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Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042) _____	
Description Work Order Deviation		Disposition		Completed By	
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Other/Details: _____					

- 130 - QC6- All purchased or subcontracted products
 133 - Crosstubes - DRILL ALL HOLES AS PER DWG USING DRILL FIXTURE.
 135 - QC5- Inspect part completeness to step on W/O
 136 - Crosstube Grinding Booth - REMOVE ALL MARK AS PER DWG
 138 - QC15- Crosstube Dimensional Check
 140 - ISSUE P/O: _____ C OF C IS REQUIRED
 150 - Receive & Inspect for Damage & Mat'l Certs - C OF C IS REQUIRED
 160 - QC6- All purchased or subcontracted products
 170 - Identify as per dwg & Stock Location: L6050
 180 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D6025-120	Crosstube Material	1 Ea (1 ea)	100-Handfinish - 1 - Chemical	<u>5152585</u>
D135-1027-151P	Std Height Fwd Crosstube	1 pcs (1 ea)	120-Packaging 2-1 - Receive - B4B	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Handfinish - 1 - Chemical	D6025-120	1	54	0
120-Packaging 2-1 - Receive - B4B	D135-1027-151P	1	0	0

Part Specifications

Specifications could not be found.

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042567



Supplier: TUB001-VC
Tube Caron Inc.
99 Louis-Joseph-Doucet Street
Lanoraie
QC
JOK 1EO Canada
Phone: 450-887-2766
Fax: 450-887-2897

PO No: PO042567
PO Date: 2/11/19
Due Date: 3/22/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	190567	D135-1027-253	Mid Height Aft Crosstube (Purchasing) Issue P/O to Tube Caron: Manufacture D135-1027-253 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6027-115** ***AS PER DWG NOTE 10, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00

Line Item Note REV C

190568	1 X	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
190569	1 X	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
191900	1 X	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
191901	1 X	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
Sub Total:							5	0	5	\$1,500.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042567



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	190489	D135-1027-251	Std Height Aft Crosstube Issue P/O to Tube Caron: Manufacture D135-1027-251 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6026-110** ***AS PER DWG NOTE 10, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
<i>IX</i> MAR 21 2019											
Line Item Note REV D											
	190571	<i>IX</i>	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	190572	<i>IX</i>	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	191903	<i>IX</i>	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	191905	<i>IX</i>	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	191907	<i>IX</i>	MAR 21 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
Sub Total:							6	0	6		\$1,800.00



Dart Aerospace Ltd.
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K6A 1K7
Canada

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PURCHASE ORDER

PO042567



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	190560	D135-1027-153	Mid Height Fwd Crosstube Issue P/O to Tube Caron: Manufacture D135-1027-153 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6025-120** ***AS PER DWG NOTE 10, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. *** Material release note is required	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
Line Item Note REV B											
	190562		1 X MAR 2 1 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	190564		1 X MAR 2 1 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	191909		1 X MAR 2 1 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
	191910		1 X MAR 2 1 2019	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
Sub Total:							5	0	5		\$1,500.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042567



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	190575	D135-1027-151	Std Height Fwd Crosstube Purchasing - Issue P/O to Tube Caron: Manufacture D135-1027-151 as per dwg (Bend, Remove excess material after bending) **Ship extrusion D6025-120** ***AS PER DWG NOTE 10, EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.*** Material release note is required	Firmed	-	3/22/19	1 pcs	0 pcs	1 pcs	\$300.00/pcs	\$300.00
Line Item Note REV D 190576 1 X MAR 21 2019 191908 1 X MAR 21 2019 Sub Total: 3 0 3 \$900.00											
										Grand Total:	\$5,700.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/21/19 12:52 PM dart.Lussier.Patrick

**SHIPPING BILL****BOL 14944****13/03/2019****Tube Caron Inc.**

99 Louis-Joseph-Doucet
Lanoraie, QC, Canada
J0K 1E0
Phone: 450-887-2766

Fax: 450-887-2897

Ship To:

Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, ON, Canada
K6A 1K7
Phone : 613-632-1053

Fax : 613-632-4443

Sold To:

Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, ON, Canada
K6A 1K7
Phone : 613-632-5200

Fax : 613-632-4443

Third Party Billing:

Ln	Item	Qty	Po	Job	Weight	UOM
1	PALETTE	1			20.00	Pounds
	D135-1027-151 REV D	1	PO042567	J21867-11	13.36	Pounds
	D135-1027-151 REV D	1	PO042567	J21867-12	13.36	Pounds
	D135-1027-151 REV D	1	PO042567	J21867-16	13.36	Pounds
	D135-1027-153 REV B	1	PO042567	J21867-10	14.57	Pounds
	D135-1027-153 REV B	2	PO042567	J21867-15	29.14	Pounds
	D135-1027-153 REV B	1	PO042567	J21867-8	14.57	Pounds
	D135-1027-153 REV B	1	PO042567	J21867-9	14.57	Pounds
	D135-1027-251 REV D	1	PO042567	J21867-5	16.21	Pounds
	D135-1027-251 REV D	1	PO042567	J21867-6	16.21	Pounds
2	PALETTE	1			20.00	Pounds
	D135-1027-251 REV D	3	PO042567	J21867-14	48.64	Pounds
	D135-1027-251 REV D	1	PO042567	J21867-7	16.21	Pounds
	D135-1027-253 REV C	1	PO042567	J21867-1	19.81	Pounds
	D135-1027-253 REV C	2	PO042567	J21867-13	39.62	Pounds
	D135-1027-253 REV C	1	PO042567	J21867-2	9.81	Pounds
	D135-1027-253 REV C	1	PO042567	J21867-3	19.81	Pounds
	D135-1027-253 REV C	1	PO042567	J21867-4	19.81	Pounds

Carrier:
Phone:
Way Bill:

Journey Freight
1-888-633-1252 #3221

Fob:
Freight Charges:

Fob Lanoraie
Collect

Total Of Packages :

2 PALETTES
96 X 32 X 36
96 X 32 X 36

Total Weight:

369.06 #

Carrier : Journey Freight

Shipper : Tube Caron Inc.

Declared Value : (No Additional Insurance Required)

Not Applicable For Insurance Purposes

14-03-2019

CERTIFICATE OF CONFORMANCE

CUSTOMER : Dart Aerospace

DATE : March 21, 2019

P.O.# PO042567

I certify that the following parts were manufactured to the specifications stated on the drawings listed below.

Note: Material for manufacturing of parts is provided by Dart Aerospace.

PART NO.	QTY.	DRAWING NO. / REV.
D135-1027-253 ✓ MID HEIGHT AFT XTUBE	6 ✓	D135-1027-253 / REV.C
D135-1027-153 ✓ MID HEIGHT FWD XTUBE	5 ✓	D135-1027-153 / REV.B
D135-1027-151 ✓ STD HEIGHT FWD XTUBE	3 ✓ DAS 9 9-89	D135-1027-151 / REV.D
D135-1027-251 ✓ STD HEIGHT AFT XTUBE	6 ✓	D135-1027-153 / REV.D

Sincerely,

Kevin Gadoury

Kevin Gadoury

DART AEROSPACE LTD		Work Order: 190576
Description: STD HEIGHT FWD CROSSTUBE		Part Number: D135-1027-151
Inspection Dwg: D135-1027-151 Rev: C		Page 1 of 2

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
2.700" TYP	+/-0.005"	2.703	1		VSC-01	
8.93" TYP	+/-0.030"	8.938	1			
2.24" REF	+/-0.030"	2.239	1			
2.75" TYP	+/-0.030"	2.741	1			
Ø.194" THUR 2PL	+0.006" -0.001"	Ø.193	1			
17.0" 2PL	+/-0.100"	17.014	1			
Ø.313" THUR 2PL	+0.006" -0.001"	Ø.314	1			
Ø.472" THUR 4PL	+0.006" -0.001"	Ø.475	1			

WALL THICKNESS MEASUREMENTS

LOCATION FROM CL	DWG DIM	R1	R2	R3	R4				
CL	0.134"	.132	.134	.135	.133				
21"	0.134"	.129	.134	.134	.133				
21"	0.134"	.132	.134	.135	.137				
CENTER OF BEND	0.134"	.136	.123	.131	.144				
CENTER OF BEND	0.134"	.129	.139	.133	.146				

OUTSIDE DIAMETER MEASUREMENTS

Location	DWG DIM	M1	M2				
CL	3.543"						
CENTER OF BEND	3.543"						
CENTER OF BEND	3.543"						

Crushing

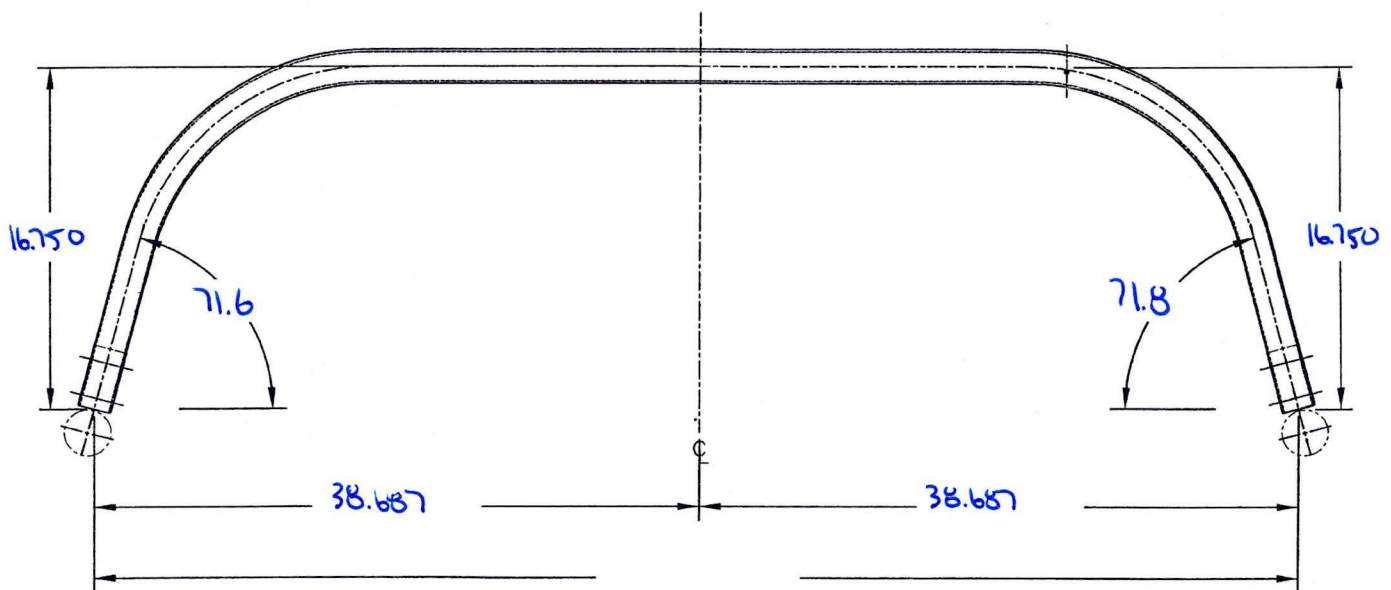
	SIDE A	SIDE B
MAX 2%	.46%	.26%

TWIST

	SIDE A	SIDE B
MAX 0.25"		

DART AEROSPACE LTD		Work Order:	190576
Description: STD HEIGHT FWD CROSSTUBE		Part Number:	D135-1027-151
Inspection Dwg: D135-1027-151 Rev: C		Page 2 of 2	

Required Dimension	Min	Max
Height	16.54"	16.80"
1/2 Span	38.66"	38.92"
Angle	70°	72°
Total Span	77.32"	77.84"
Bending Passes		
Crushing	0%	2%



Measured by:		Checked by:		QC Inspector:	
Date:		Date:		Date:	

Engineering Approval: (If necessary)		Date:	
--	--	--------------	--

Rev	Date	Change	Revised by	Approved
A	18/01/16	New Issue	ED	

PNT1 - PNT5 (XAXIS)

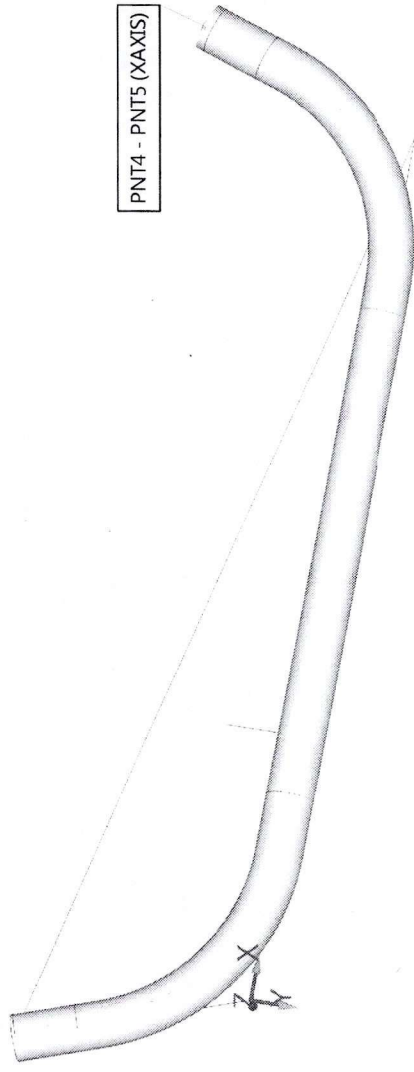
CYL2 - CYL1

CYL3 - CYL2

CYL2 - PNT4 (YAXIS)

CYL2 - PNT1 (YAXIS)

pcodmis		PART NAME : D135-1027-151_Piège				mars 09, 2019		11:37	
		REV NUMBER : Rev.C		SER NUMBER : 8164544		STATS COUNT : 1			
∠	DEG	ANGL1 - CYL2 TO CYL1							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	71.0000	0.5000	0.5000	71.1791	0.1791	0.0000			
∠	DEG	ANGL3 - CYL3 TO CYL2							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
A	71.0000	0.5000	0.5000	71.2303	0.2303	0.0000			
↔	IN	DIST1 - PNT1 TO PNT4 (XAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
M	77.5800	0.2500	0.2500	77.5634	-0.0166	0.0000			
↔	IN	DIST2 - CYL2 TO PNT1 (YAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
M	16.6700	0.1300	0.1300	16.7373	0.0673	0.0000			
↔	IN	DIST3 - CYL2 TO PNT4 (YAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
M	16.6700	0.1300	0.1300	16.7726	0.1026	0.0000			
↔	IN	DIST4 - PNT1 TO PNT5 (XAXIS)							
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL			
M	38.7900	0.1300	0.1300	38.7817	-0.0083	0.0000			



PNT4 - PNT5 (XAXIS)

		DIST5 - PNT4 TO PNT5 (XAXIS)				
AX	IN	NOMINAL	+TOL	-TOL	MEAS	OUTTOL
M		38.7900	0.1300	0.1300	38.7817	0.0000



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044044



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044044

PO Date: 7/18/19

Due Date: 7/19/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
①	190568	D135-1027-253	Mid Height Aft Crosstube - DO NOT USE P/O: _____ C OF C IS REQUIRED	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	190569		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
Sub Total:							2	0	2		\$239.00
②	191905	D135-1027-251	Std Height Aft Crosstube - DO NOT USE P/O: _____ C OF C IS REQUIRED	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	191907		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
Sub Total:							2	0	2		\$239.00
③	190576	D135-1027-151	Std Height Fwd Crosstube - DO NOT USE P/O: _____ C OF C IS REQUIRED	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	190575		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
Sub Total:							2	0	2		\$239.00

DAS
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9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044044



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	194644	D412-664-203	Aft Crosstube - High : TC STC SH01-9 Issue 3, FAA STC SR01298NY 09/01/08, EASA STC EASA.IM.R.S.01304 07/03/06, DGAC MEXICO STC IA- 316/2015 15/06/17 *** WEAR LATEX GLOVES WHEN HANDLING CROSSTUBE***	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	194647		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	196270		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
	196271		1 X JUL 19 2019	Firmed	-	7/19/19	1 pcs	0 pcs	1 pcs	\$119.50/pcs	\$119.50
Sub Total:							4	0	4		\$478.00

Grand Total: \$1,195.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/19/19 1:28 PM Dart.Guerin.Kimberley

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO41122	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: POHB044044 ✓
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON:**

✓ 4 AFT CROSSTUBES , P/N: D412-664-203 , J/S: 194644 , 194647 , 196270 , 196271

✓ 2 STD HEIGHT FWD CROSSTUBES , P/N: D135-1027-151 , J/S: 190575 , 190576

✓ 2 STD HEIGHT AFT CROSSTUBES , P/N: D135-1027-251 , J/S# 191905 , 191907

✓ 2 MID HEIGHT AFT CROSSTUBES , P/N: D135-1027-253 , J/S: 190568 , 190569

DAS
40
9-89

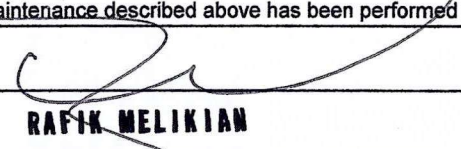
Action Taken:					Date:	Initial/Stamp:
LPI C/O IAW ASTM E-1417M-16 ***NO CRACK FOUND*** PEN. ZL-56, MPO13600, CLEANER SKC-S MPO13923 , DEV. MPO11715 , UV LIGHT M-20142					JUL 19 2019	 
<i>Description</i>	<i>Location</i>	<i>P/N</i>	<i>Qty</i>	<i>Batch</i>	<i>S/N Off</i>	<i>S/N On</i>

RECEIVED

JUL 19 2019

DART AEROSPACE LTD.

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: JUL 19 2019
Name: RAFIK MELIKIAN		